Camera & Illumination System
AMD-500

Crisp, Clear Diagnostic Imaging with Sharp Edge Definition

The *Camera & Illumination System* is an integrated camera and light source device that drives a wide variety of medical scopes to ensure a quality digital image is captured and delivered for further examination and evaluation. The integrated LED illumination and light source deliver exceptional quality images with accurate tissue color representation.

Universally Compatible with a Range of Medical Scopes

The *Camera & Illumination System* is used to deliver powerful illumination for a variety of scopes from AMD as well as any standard c-mount ACMI, Wolf or Storz light source or camera attachments.

Product Features:

- LED illumination produces white light that delivers improved visibility of true tissue color, even with the smallest of fibers.

- One-touch white balance ensures accurate colors are captured for quality medical images.

- Unique edge enhancement for both flexible and rigid scopes ensures sharper definition across the entire image and well-defined pathologies.

- Compatible with a nearly all optical instruments to broaden range of capabilities.

- Integrated camera and light system work together in a single unit, to maximize performance.

- Durable construction (solid camera housing, reinforced cable rugged system chassis, and LED light source) guarantees long life under continuous use.

- Low cost of ownership with new LED technology that will last the life of the camera.

- No bulbs to exchange - long lifetime (>10,000 h).

ENT Scope

Naso-Pharyngoscope

Sinuscope

Dermascope

Laparoscope

Technical Specifications:

Physical Dimensions:
- 10.03" (w) x 8.93" (d) x 3.64" (h) / (25 cm x 23 cm x 9 cm)
- Weight: 7.8 lbs (3.5 kg)

Average Life of Light Source: 10,000 Hours

Light Intensity: 150 lumens

Color Temperature: 6737 K

Camera Head:
- Available in either PAL or NTSC
- Image Sensor: ½" CCD

Picture Elements: PAL: 752 (H) x 582 (V) / NTSC: 768 (H) x 494 (V)

Horizontal Resolution: 625 lines at PAL, 525 lines at NTSC

HD Resolution Options:
- 1920 x 1080 pixels and 16:9 aspect ratio
- 1280 x 720 pixels and 16:9 aspect ratio
- 1024 x 768 pixels and 4:3 aspect ratio

Camera Controller:
- Supply Voltage: 12V DC
- Energy Consumption: 24 W
- Fuse: 2.0 A(T); 5 x 20 mm
- Brightness Control: automatically
- Outputs:
    - 1 x DVI-D (only for HD)
    - 1 x S-Video (Y/C)
    - 1 x Video (Composite/CVBS)
    - 1 x USB 2.0

PC Minimum Requirements:
- USB 2.0 interface
- CPU > 2 GHz
- RAM > 256 MB

Mains Adapter:
- Input: 100 V - 240 V AC; 1.22 A - 0.68 A AC; 47/63 Hz
- Output: max. 60 W; 11 V - 13 V DC

Operating Temperature: 59° F to 95° F (15° C to 35° C)

Storing and Transport Temperature:
- Temperature: - 68° F to 158° F (-20° C to 70° C)
- Relative air humidity: 5 % to 95 %
- Air pressure: 70 kPa to 106 kPa

Options:
- High Definition (HD) 1080p or 720p
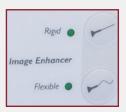- Standard Definition (SD) 480p
- PAL and NTSC video formats available

Image Enhancer for Flexible & Rigid Scopes

One-Touch White Balance and Camera Brightness Controls

Optimal Light Intensity Controls